From:

Doug Halley [dhalley@acton-ma.gov] Wednesday, July 31, 2013 8:24 AM

Sent: To:

Golden, Derrick; McWeeney, Jennifer (DEP) (jennifer.mcweeney@state.ma.us)

Cc: Subject: Janet Adachi; Steve Ledoux; James Okun Meeting regarding WR Grace Request

Derrick and Jennifer,

The Town of Acton requests a meeting with EPA and DEP to discuss WR Grace's proposed shutdown of the pump and recovery system that is dedicated to the Northeast plume travelling from the WR Grace site. If you have the time available we can come into your offices in Boston during the week of August 5th or during the week of August 12th. The only days we can't meet are August 5th August 6th and August 13th. On August 14th and 16th we can only meet in the afternoon. If you gave us a couple of days and times you are available we can coordinate our schedules accordingly. We also ask that you be mindful of commute times and perhaps schedule the meeting at a 10 AM or 2 PM time. We look forward to talking with you. Thanks.

Doug

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From:

Golden, Derrick

Sent:

Friday, July 19, 2013 8:08 AM

To:

'Thor Helgason'

Cc: Subject:

jennifer.mcweeney@state.ma.us; 'Weir, Barbara'

RE: Acton - NE Area Treatment System

Great. Thanks Thor. FYI, Doug Halley called me the other day. He requested that EPA and MassDEP meet with the town prior to us providing a response on the NE area shutdown request. We might meet the first week in August. I also told him that the AWD should be present at this meeting. FYI I will be on vacation from 7/22 and returning on 8/6

Derrick

Derrick S. Golden
Remedial Project Manager
United States Environmental Protection Agency Region 1 - EPA New England
5 Post Office Square
Mail Code OSRR07-4
Boston, MA 02109-3912

Tel: 617-918-1448 Fax: 617-918-0448

e-mail: golden.derrick@epa.gov

----Original Message----

From: Thor Helgason [mailto:thelgas@demaximis.com]

Sent: Friday, July 19, 2013 8:04 AM

To: Golden, Derrick

Cc: jennifer.mcweeney@state.ma.us

Subject: Acton - NE Area Treatment System

Derrick and Jennifer -

Yesterday the NE Area treatment system was successfully restarted following the replacement of components of the control panel, and the restoration of certain software functions.

Thor

From: Golden Dernich
Stein: Friday, July 19, 2013 e de Alg.
Just Thor Helgason
Co: joint les unexponentigetau maios: Weir Borowell
Stibliged: KE Auton - NE Argo Treamfunt System

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Darrick S, Golden Remedial Project Manag

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Tel: 617-918-1448 Fax: 617-918-0448

e-mail: golden dernok@epa.gov

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rom Thorste gason [mailto thelgas@demawmis.com]

Sent Friday, July 19, 2013 8:04 AM

Tu. Golden, Detrick

Cc. jenaker, mowe oney @state.ma.lus

Action NE Area Treatment System

Dernok and regnitter

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From: Sent: McWeeney, Jennifer (DEP) [jennifer.mcweeney@state.ma.us]

Wednesday, July 17, 2013 10:55 AM

To: Cc: Golden, Derrick Barbara Weir

Subject:

RE: June 2013 Montly Remedial Action Status Report - W. R. Grace (Acton Plant) Superfund

site - Acton & Concord, MA

Hi Derrick, my thoughts: Footnote that Matt refers to was for effluent from NE Area treatment system. 1,4-diox was 1.9 ug/L, consistent with previous months' concentrations. Doubt that the additional info will significantly change that. Jen

From: Matt Mostoller [mailto:Matt@actonwater.com]

Sent: Wednesday, July 17, 2013 10:41 AM **To:** Golden, Derrick; Chris Allen; Doug Halley

Cc: Barbara Weir; McWeeney, Jennifer (DEP); Jane Ceraso; info@actonaces.org

Subject: RE: June 2013 Montly Remedial Action Status Report - W. R. Grace (Acton Plant) Superfund site - Acton &

Concord, MA

×

Hi Derrick,

I see a footnote on the sampling results thattt1,4-dioxane was detected in the sample and the blank. Are the concentration detected in the blanks available for review? As the concentrations we are discussing on the site are generally considered very low and often close to the method detection limits, I am curious what sort of concentrations could potentially be attributed to handling, etc.

Thanks, Matt

From: Golden, Derrick [mailto:Golden.Derrick@epa.gov]

Sent: Tuesday, July 16, 2013 4:39 PM **To:** Chris Allen; Doug Halley; Matt Mostoller

Cc: Barbara Weir; McWeeney, Jennifer (DEP); Jane Ceraso; info@actonaces.org

Subject: June 2013 Montly Remedial Action Status Report - W. R. Grace (Acton Plant) Superfund site - Acton & Concord,

MA

All,

Attached is the **June 2013**, monthly remedial action status report and the effluent results for the groundwater treatment systems at the W. R. Grace (Acton Plant) Superfund site in Acton & Concord, MA.

A hard copy has been place in the Administrative Record for the site and a copy has also been sent it to the Acton library.

Derrick S. Golden
Remedial Project Manager
United States Environmental Protection Agency
Region 1 - EPA New England
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Boston, MA 02109-3912

Tel: 617-918-1448 Fax: 617-918-0448

e-mail: golden.derrick@epa.gov

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If the message sender is known and the attachment was legitimate, you should contact the sender and request that they rename the file name extension and resend the Email with the renamed attachment. After receiving the revised Email, containing the renamed attachment, you can rename the file extension to its correct name.

For further information, please contact the EPA Call Center at (866) 411-4EPA (4372). The TDD number is (866) 489-4900.

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Servick S. Solden

Manager

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will stulden derrick@ega.gov

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******************* ATTACHMENT NOT DELIVERED ****************

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Tuesday, July 16, 2013 4:39 PM

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Barbara Weir; McWeeney, Jennifer (DEP); Jane Ceraso; 'info@actonaces.org' June 2013 Montly Remedial Action Status Report - W. R. Grace (Acton Plant) Superfund site -

Acton & Concord, MA

Attachments:

WR Grace JUNE 2013 monhtly RD-RA_status report.pdf

All,

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Tel: 617-918-1448 Fax: 617-918-0448

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135 Beaver Street 4th Floor Waltham, MA 02452 (781) 642-8775 (781) 642-1078 FAX

July 2, 2013

Mr. Derrick Golden
United States Environmental Protection Agency
5 Post Office Square
Mail Code OSRR07-4
Boston, MA 02109-3912

Ms. Jennifer McWeeney
Massachusetts Department of Environmental Protection
One Winter Street
Boston, MA 02108

RE: Progress Report for June 2013
W.R. Grace Acton Superfund Site

Dear Mr. Golden and Ms. McWeeney:

On behalf of W.R. Grace, this Progress Report describes W. R. Grace's activities at the Acton Site during the month of June 2013:

I. Action Taken

Northeast Area Groundwater:

- Operated and maintained the Northeast Area Groundwater system. A summary of the average and instantaneous flow rates from the system, and sampling results, is attached.
- Performed the monthly system sampling on June 6, 2013. The results are attached and document continued compliance with the discharge criteria.

Monthly Progress Report – June 2013 W.R. Grace Acton Superfund Site July 2, 2013 Page 2 of 3

Landfill Area Groundwater:

Operated the Landfill Area Treatment System using a solution of 25 ug/l ADX added after the metals removal system, and prior to the Purifics photo-catalytic oxidation unit. Sampling performed on June 6, 2013 confirms this approach treats the 1,4-dioxane to below 3 ug/l. A summary of the results from that sampling event is attached.

Other:

 Submitted the Annual Treatment System Report to EPA and MADEP on June 28, 2013.

II. Activities Scheduled for the Next Two Reporting Periods (July through August, 2013)

Northeast Area Groundwater:

Shut down and decommission the NE Area treatment system, pending EPA approval.

Landfill Area Groundwater:

• Continue system operation using the ADX dosage of 25 ug/l solution.

Other:

- Submit responses to EPA comments on the 2012 Operable Unit Three Monitoring Program Report.
- Perform the second round of the 2013 wetlands vegetation monitoring in August 2013.

III. Problems Encountered and Schedule Modifications

• The Landfill Area Treatment System was shut down for one day (June 20, 2013) for planned maintenance on the discharge line.

Monthly Progress Report – June 2013 W.R. Grace Acton Superfund Site July 2, 2013 Page 3 of 3

> Well MLF was shut down on June 16, 2013 due to a damaged fuse and power line, likely caused by a power surge during a storm. The fuse was replaced with one of a higher amperage, and the power line to the well pump was replaced. The well was successfully reactivated on June 22, 2013.

IV. Community Relations Activities

None this reporting period.

Please do not hesitate to call me at 781-642-8775, should you have any questions.

Sincerely,

de maximis,inc.

Thor Helgason

CC: Robert Medler - Remedium Group

Lynne Gardner - Remedium Group

Anne Sheehan - GeoTrans

Dave Fuerst - O & M, Inc.

Jack Guswa - JG Environmental

Monthly Extraction Rates for Northeast Area Extraction Well NE-1

	Average	Instantaneous
Jan-13	19.2	19.9
Feb-13	19.8	19.9
Mar-13	19.5	19.6
Apr-13	18.9	19.6
May-13	19.4	19.9
Jun-13	18	19.9
verage - flow rate calculated using monthly totalizer readings stantaneous - rate indicated by flow meter during monthly monitoring	rotalizer readings during monthly monitoring	E

	Discharge	1/7/2013	2/6/2013	3/5/2013	4/16/2013	5/8/2013	5/8/2013 6/6/2013	
Influent (NE-1)								
VDC	NA A	36	35	33	38	32	31	
Benzene	AN	2	Ξ	-	-	-	=	
Viscal Chlorida	MA			11 (0) 5)		1.3	-	
Amonio Total	V V	. 4	4.5	43.0	4 . 6	4.6	4.7	
June Total	AN	11.750)	911	32.1	27.1	1 00	17 (50)	
Manganese, Total	X X	659	62	19	65 B	19	(88)	
БРН								
2-Methylnaphthalene	NA	U (9.6)	0.071 J	0.12 J	U (0.96)	U (0.98)	U (0.97)	
Acenaphthene	VA	U (9.6)	U (0.48)	0.08 J	U (0.96)	U (0.98)	U (0.97)	
Acenaphthylene	NA	U (9:0)	U (0.29)	U (0.29)	U (0.29)	U (0.29)	U(0.29)	
Anthracene	YZ.	U (9.6)	U (0.48)	0.033 J	U (0:96)	U (0.98)	U (0.97)	
Benzo(a)anthracene	NA	U (9:0)	U (0.29)	U (0.29)	U (0.29)	U (0.29)	U (0.29)	
Benzo(a)pyrene	VV	0.69.0	U (0.17)	U (0.19)	U (0.19)	U (0.2)	U (0.19)	
Benzeo(b)fluoranthene	NA	U (9:0)	U (0.29)	U (0.29)	U (0.29)	U (0.29)	U (0.29)	
Benzo(g,h,i)perylene	NA	U (9:6)	U (0.48)	U (0.48)	U (0.48)	U (0.49)	U (0.48)	
Benzo(k) fluoranthene	NA NA	U (9.6)	U (0.29)	U (0.29)	U (0.29)	U (0.29)	U (0.29)	
Chrysene	NA	U (9.6)	U (0.48)	O (0.96)	U (0.96)	U (0.98)	U (0.97)	
Dibenz(a,h)anthracene	AN	U (9.6)	U (0.48)	U (0.48)	U (0.48)	U (0.49)	U (0.48)	
Fluoranthene	NA	U (9.6)	U (0.48)	0.087 J	U (0.96)	U (0.98)	U (0.97)	
Fluorene	NA	U (9.6)	U (0.48)	0.099 J	U (0.96)	U (0.98)	U (0.97)	
Indeno(1,2,3-cd)pyrene	NA	U (9:0)	U (0.48)	U (0.48)	U (0.48)	U (0.49)	U (0.48)	
Naphthalene	NA	U (9.6)	0.11 JB	0.24 J	U (0.96)	0.068 J	0.068 J	
Phenanthrene	NA	U (9.6)	0.062 JB	0.26 J	0.27 JB	0.11 JB	0.11 JB	
Pyrene	NA	U (9.6)	U (0.48)	U (4.8)	U (4.8)	U (4.9)	U (4.8)	
Aliphatics, C19-C36	NA	(96) N	(86) D	U(100)	U (49)	U (48)	U (48)	
Aliphatics, C9-C18	NA	(96) N	U (98)	U (100)	U (49)	U (48)	U (48)	
Aromatics, C11-C22, adjusted	NA NA	O (96)	U (98)	(100) (100)	U (50)	U (50)	U (50)	
VPH			į	,			į	
Benzene	NA NA	1.2	=	_	-	-	-	
Ethylbenzene	NA VA	U(I)	(E) (A	Ξ_{D}	(E)	(E) n	(L)	
Methyl tert-butyl ether	NA	(I) (I)	(1)	3	(E)	(E)	(E)	
m&p Xylene	Y :	0 (3)	(3)	0(3)	(C)	88	(3)	
Naphthalene	YY.	(E):	(E):	E :	E (33	E E	
o-Aylene	NA	3	33	E 6	E (36	33	
Tolluene	Y .	(1)0	(1)	(1)	E 9	3	3	
Co-Us Aliphatics, adjusted	NA	(01)	(100)	(00)	66	15.1	5 5	
C9-C10 Aromatics	NA	0(10)	0(100)	0,100	(6)	66	(5)	
C9-CI2 Aliphatics, adjusted	NA	3.1	7.13	7.03	7.9	2.9.3	5.73	
Enthent	t	11.00	TICO	TLAN	1001	11/10	11(0)	
VDC	_	33	33	33	3	3	3	
Benzene	n	(1)0	(30)	(3)	33		36	
Vinyl Chloride	7 -	0 (0.5)	(6.9)	(6.0)	33	E 9	(E)	
I,4-Dioxane	n \$	0.7	y	y	1.7	1.3	4.7	
Arsenic, Iotal	2 5		7.5	7.4	 	6.5	7.7	
Iron, Iotal	NA	7.5	8 5	061	* 60	051	077	
Manganese, Total	300	10	6	3	60 B	10	10	

Concentrations in µg/L.
U(1) - not detected at limit indicated in parentheses.
B - Compound was found in the blank and sample.
J - Result is less than the RL but greater than or equal to the MDL and the concentration is approximate

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THE REAL PROPERTY.	4	MLF	SE	SELF-1	SE	SELF-2	S	SWLF-2	7	WLF	Total Land	Total Landfill Area System
Target Flow Rate (gpm)		38	0.9	9-1.2	=	1-1.4		4		85	7,	51-53
	Average	Instantaneous	Average	Instantaneous								
Jan-13	39.3	40,4	0.7	8.0	1.4	1.4	5.9	6.1	6	6.3	56.3	58
Feb-13	31.8	37.1	0.5	9.0	1.2	1.4	5.2	9	9.9	7.8	45.3	52.9
Mar-13	25.1	35	0.5	9.0	0.5	8.0	5.4	9	6.5	7.4	38	50
Apr-13	33.5	40.6	8.0	1	0.7	171	4.1	6.3	8.9	9.4	45.9	58.4
May-13	.39.8	40	6.0	6.0	6.0	6.0	5.5	9	9.2	9.4	56.3	57.2
June-13	25.8	40.4	0.7	8.0	1	11	5.9	6.3	8.7	9.4	42.1	58

Instantaneous - rate indicated by flow meter during monthly monitoring
Average - flow rate calculated using monthly totalizer readings
System down for approximately one day in June for cleaning discharge line
MLF off-line for several days in June due to pump failure

	Discharge							
	Limits	1/8/13	2/6/13	3/5/13	4/16/13	5/8/13	6/6/13	
Influent	18							
VOCS				ì		0		
VDC	¥.	7.6	- - -	7.0	7.6	8.6	= ;	
1,2 Dichloroethanc	¥	1.4	1.2	=	1.4	1.4	1.2	
1,2 Dichloropropane	AN	0.99 3	0.97 J	0.87	0.67	0.99 J	-	
2-Butanone (MEK)	YZ	0(10)	000	0(10)	(01)0.	C (10)	C(10)	
Benzene	Y	12	8.3	10	7.1	13	4.6	
Chloroethane	NA NA	0(2)	0(2)	U (2)	0(2)	0(2)	0.95 J	
Methlyene Chloride	NA NA	0	(U)	0	(E) n	U(1)	n(i)	
MTBE	NA.	OCD	COn	n (i)	U(I)	n(E)	(C)	2
TCB	NA NA	nG)	n(I)	(E)n	000	n(I)	n(i)	
Vinyl Chloride	NA	4.4	3.3	U (0.5)	3	3.6	4.6	
1.4 Dioxane	N.	3.1	3.2	2.8	3.8	2.6	3.4 B	
SVOCs					-			
Bis(2-chlorocthyl) ether	NA	11 (9.4)	11 (9.4)	11 (9 5)	11/9.73	(103)	900	
Died otherhousely abthefate	2	100	11 (0.4)	600	100	10.0	11 (9 6)	
Matala				(2.2)	1	1000	1	
Appenie	AN	30	11	40	44	77	35	
Desdina	1 2	11.00	TICE	11.61	: 1	1011	1011	
Beryllium	Z 2	3	3	3	(E) (E)	(5)	3	
Caronnum		1000	500	6000	9	90012	6360	
non	X 2	2000	0427	0000	1000	21000	7 170	
read	4	2000	0.45	0.457	200.0	0000	2000	
Managanese	AN.	2000	7,00	3500	2100 0	0067	2000	
Nickel	NA	97	14	2	13	18	13	
Other	į	1	9		•		ç	
Phosphorus	AN	31	9	7¢ .	7/	77	25	
VOC								
SUN NO	QM	1 190	1.77.1	0.73 J	0.77.1	1 96 0	0.00	
1.) Dichlomosthage	QW	-	1 90 0	-	=	-	1.2	
1.2 Dichlomanana	Q.	1101	1001	000	000	000	00	
D. Britanon (MEV)	QW.	11/10	11.00			1100	0001	
Promision (MEA)	200	0 (10)	600	1130	600	61.00	0.74.1	
Chimelen	OM OM	11/3	3		66	1001	100	
Chiorocunant	OW X	93	3	33	9 6	35	36	
Members Chloride	OW :	3	3	3	E 6	E :	3	
MIBE	OW	(3)	3	3	33	3	3	
TCE.	Q ;	(1)0	(2)	(2)	33	33	3	
Vinyl Chloride	QV.	(50)0	C(0.5)	0 (0.5)	000	000	33	
I,4 Dioxane	MO	6.1	7	7	7.3	7.7	7.4 19	
SVOCS	9	17.00	1017	11,00.61	11 /0 0	1700711	100011	
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Concentrations in ug/L.								

Concentrations in µg/L.
U(1)- not detected at limit indicated in parentheses.
U(1)- not detected at limit indicated in parentheses.
Discharge Limits - Maximum Daily / Average Monthly MO - Monitoring Only MA - Not applicable
NAC - No applicable indicated in a full in

From:

Thor Helgason [thelgas@demaximis.com]

Sent:

Friday, July 12, 2013 5:59 PM

To:

Golden, Derrick

Cc:

jennifer.mcweeney@state.ma.us

Subject:

Acton - Landfill Area Treatment System

Derrick and Jennifer-

The Purifics flowmeter arrived this morning. It was installed, and the Landfill Area Treatment System was restatred at noon today.

I'll keep you posted regarding the NE system

Thor

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he harms flowmeter armout this morning, it was histalled, and the Landfill Area Treathant for our restated at poor codes.

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From:

Golden, Derrick

Sent: To: Monday, July 08, 2013 7:47 AM 'Thor Helgason'; Barbara Weir jennifer.mcweeney@state.ma.us RE: Acton - Treatment Systems

Cc: Subject:

Thank you for the updates Thor.

Please let Jen an myself know when the equipment will be replaced and the systems restarted.

Derrick

Derrick S. Golden
Remedial Project Manager
United States Environmental Protection Agency Region 1 - EPA New England
5 Post Office Square
Mail Code OSRR07-4
Boston, MA 02109-3912

Tel: 617-918-1448 Fax: 617-918-0448

e-mail: golden.derrick@epa.gov

----Original Message-----

From: Thor Helgason [mailto:thelgas@demaximis.com]

Sent: Sunday, July 07, 2013 7:36 PM

To: Golden, Derrick

Cc: <u>jennifer.mcweeney@state.ma.us</u> Subject: Acton - Treatment Systems

Derrick -

The Landfill Area Treatment System shut down July 2 during a heavy storm. While attempting to restart it on July 3, the operating personnel identified a non-functioning flow meter on the Purifics unit, which effectively precluded operation of the Landfill Area Treatment System. Spare flow meters are not typically kept on site, as they are not custmarily subject to the type of damage that the operating personnel believer occurred (in fact, the system has operated through storms more severe than the one last week). Purifics has been contacted, and it is

likely that the system will be down much of this coming week, pending the arrival of the replacement flow meter.

The NE Area system also shut down during the storm. The electrical control panel needs replacement, and one has been ordered; not sure precisely when it will be installed. It is possble that a lightning strike caused the damage.

I will keep you posted on the timing of both system re-starts.

Thor

From:

Thor Helgason [thelgas@demaximis.com]

Sent:

Sunday, July 07, 2013 7:36 PM

To:

Golden, Derrick

Cc: Subject: jennifer.mcweeney@state.ma.us Acton - Treatment Systems

Derrick -

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Thor

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